

# Curriculum Vitae

Saptarshi Paul  
PhD Candidate (Roll No. 19105276)  
Department of Mechanical Engineering  
Indian Institute of Technology, Kanpur  
Kanpur - 208016  
Uttar Pradesh

## Educational Qualifications

- Secondary School Certificate, with 95.8% marks (479/500). 100/100 in Mathematics, which ranked amongst the Top 0.1% students in the subject all over India.
- Higher Secondary Certificate, with 94% marks (470/500), which ranked amongst the Top 1% students all over India, and was eligible for the INSPIRE Scholarship to pursue a career in Basic Sciences.
- Bachelor of Technology (B.Tech.) from Indian Institute of Technology, Kanpur, in the Department of Mechanical Engineering, with CPI 6.5.

## Current Pursuit

Working towards a PhD in Mechanical Engineering, in the domain of Solid Mechanics, under the supervision of Dr. Anurag Gupta, having converted from MS(R) under Dr. Sumit Basu.

## Publications

1. Ahmad, Rasool, Saptarshi Paul, and Sumit Basu. "Characterization of entanglements in glassy polymeric ensembles using the Gaussian linking number." *Physical Review E* 101, no. 2 (2020): 022503. Link to article: <https://journals.aps.org/pre/abstract/10.1103/PhysRevE.101.022503>
2. Aggarwal, Ishu, Saptarshi Paul, Nishant K. Sinha, and Sumit Basu. "Molecular dynamics studies on the strength and ductility of symmetric thermally welded joints." *Modelling and Simulation in Materials Science and Engineering* 28, no. 3 (2020): 035001. Link to article: [https://iopscience.iop.org/article/10.1088/1361-651X/ab6a44/meta?casa\\_token=3V-SR9W3Kf4AAAAA:0FsjBYpQt9rrdJL9TTdf0n0eov6bp1FZ5kRMNt6MVCY5Nbj4p\\_xM-na047iQNI-iP8dAGImbyr9Rd](https://iopscience.iop.org/article/10.1088/1361-651X/ab6a44/meta?casa_token=3V-SR9W3Kf4AAAAA:0FsjBYpQt9rrdJL9TTdf0n0eov6bp1FZ5kRMNt6MVCY5Nbj4p_xM-na047iQNI-iP8dAGImbyr9Rd)
3. Ankit Biswas, Saptarshi Paul, Vishal Sharma, and Anurag Gupta. Acoustics of Mizhāvu, *Journal of the Acoustical Society of India*, 48, pp. 127-140 (2021). Link to article: [https://home.iitk.ac.in/~ag/papers/MIzhavu\\_Revised.pdf](https://home.iitk.ac.in/~ag/papers/MIzhavu_Revised.pdf)

## Academic Achievements

- All India Rank (AIR) of 571 in IIT-JEE 2011.
- Academic Excellence Award for academic performance in the year 2016-17 (pursuing MS(R)).